

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Pascal CHEVALIER, et al.

SERIAL NO: NEW APPLICATION

FILED: Herewith

FOR: BLIND PROCESS AND RECEIVER TO DETERMINE SPACE-TIME PARAMETERS OF A PROPAGATION CHANNEL

GAU:

EXAMINER:

N.N.  
#6  
5/8/02  
J1040 U.S. PTO  
10/020934  
12/19/01

INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the attached French Search Report listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

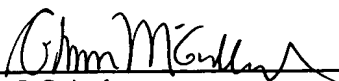
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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**LIST OF RELATED CASES**

<u>Docket Number</u>	<u>Serial or Patent No.</u>	<u>Filing or Issue Date</u>	<u>Status or Patentee</u>
0154-2154-2 FWC	5,812,090	09/22/98	CHEVALIER et al.
0154-2372-2	5,752,168	05/12/98	MONOT et al.
0154-2511-2	5,870,430	02/09/99	PIPON et al.
0154-2630-2 PCT	6,240,098	05/29/01	THIBAUT et al.
0154-2862-2 PCT	6,239,746	05/29/01	PIPON et al.

GJM/ae

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Form PTO 7449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 217245US2		SERIAL NO. NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Pascal CHEVALIER, et al.			
				FILING DATE Herewith		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,752,168	5/12/98	Jean-Jacques MONOT, et al.			
	AB	5,812,090	9/22/98	Pascal CHEVALIER, et al.			
	AC	5,870,430	2/9/99	Francois PIPON, et al.			
	AD	6,239,746	5/29/01	Francois PIPON, et al.			
	AE	6,240,098	5/29/01	Joël THIBAUT, et al.			
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	EP 0 926 510 A1	6/30/99	Europe			X
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW	Agnes DESMEZIERES, et al. "POLARIZATION IN SPACE-TIME PROCESSING FOR PROPAGATION CHANNEL IDENTIFICATION", 2 <sup>nd</sup> IEEE WORKSHOP ON SIGNAL PROCESSING ADVANCES IN WIRELESS COMMUNICATIONS, May 9-12, 1999, pages 395-398					
	AX	Kim SOOHONG, et al. "BLIND SPACE-TIME CHANNEL ESTIMATION OF SPREAD-SPECTRUM SIGNAL USING THE MINIMUM VARIANCE APPROACH", PROCEEDINGS OF IEEE MILITARY COMMUNICATIONS CONFERENCE (MILCOM'00), vol. 1, October 22-25, 2000, pages 159-163					
	AY	Michaela C. VANDERVEEN, et al. "Improved Blind Channel Identification Using a Parametric Approach", IEEE COMMUNICATIONS LETTERS, IEEE SERVICE CENTER, vol. 2, no. 8, August 1, 1998, pages 226-228					
	AZ						
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

U.S. PTO  
 11/02/01  
 12/19/01

Translation of Category of Cited Documents in attached foreign language Search Report:

- X: particularly relevant if taken alone
- Y: particularly relevant if combined with another document of the same category
- A: relevant to at least one claim or as technological background
- O: non-written disclosure
- P: intermediate document
- T: theory or principle underlying the invention
- E: document entitled to a date prior to the filing date but which was not published until the filing date or a later date
- D: cited in the application
- L: cited for other reasons

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&: member of the same patent family, corresponding document